

FIG. 1

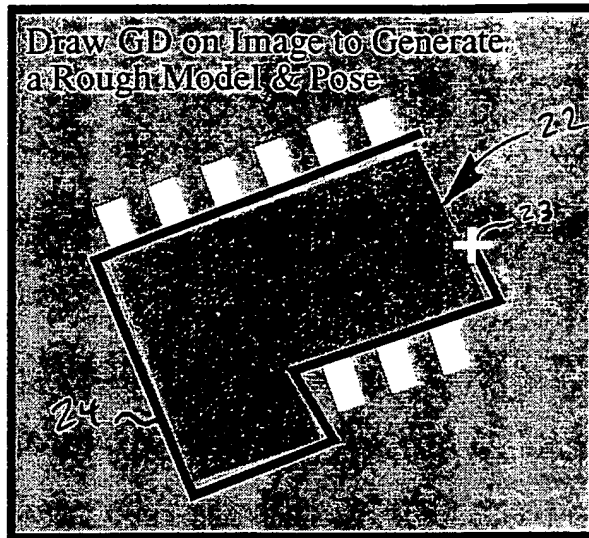


FIG. 2A

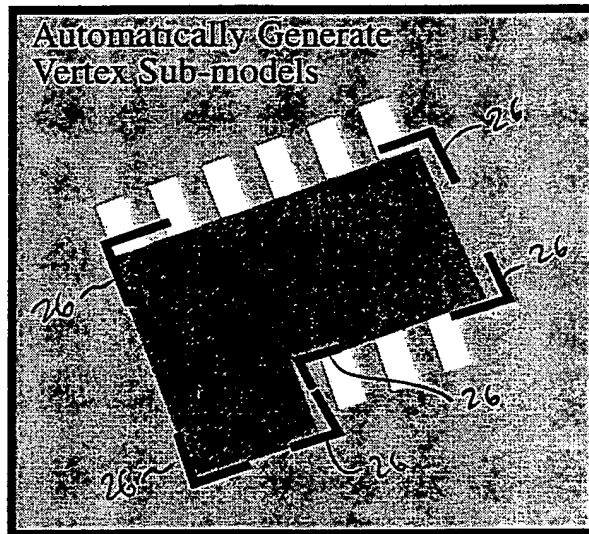


FIG. 2B

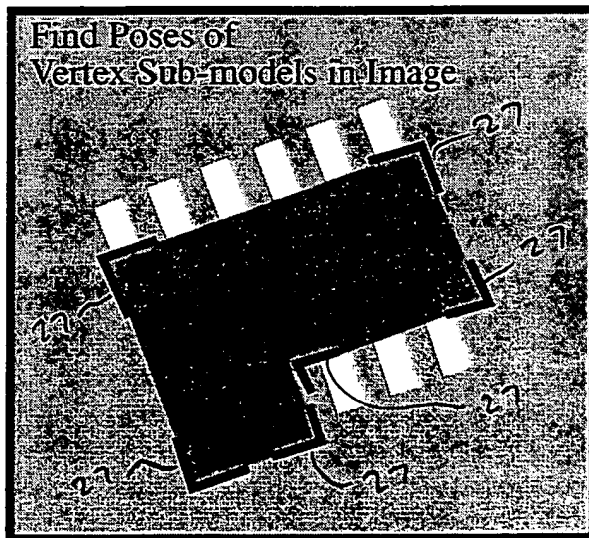


FIG. 2C

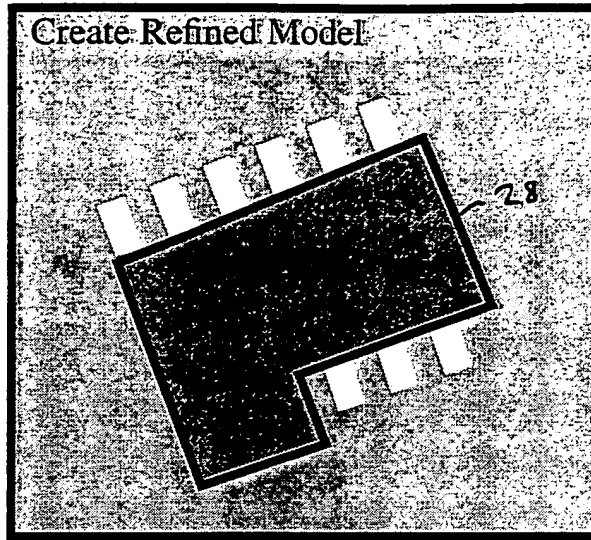


FIG. 2D

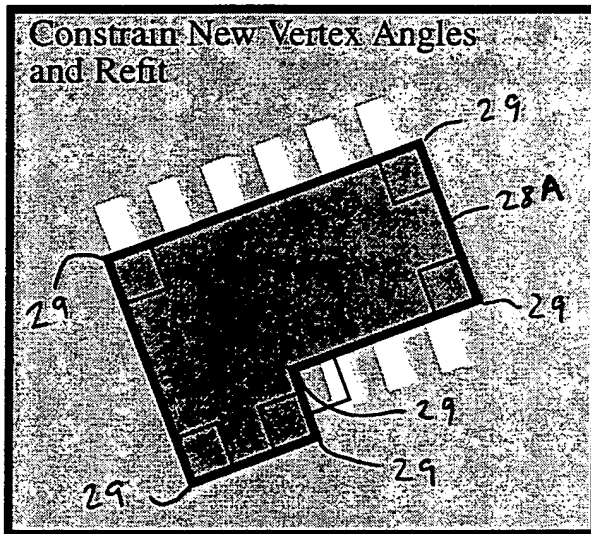


FIG. 2E

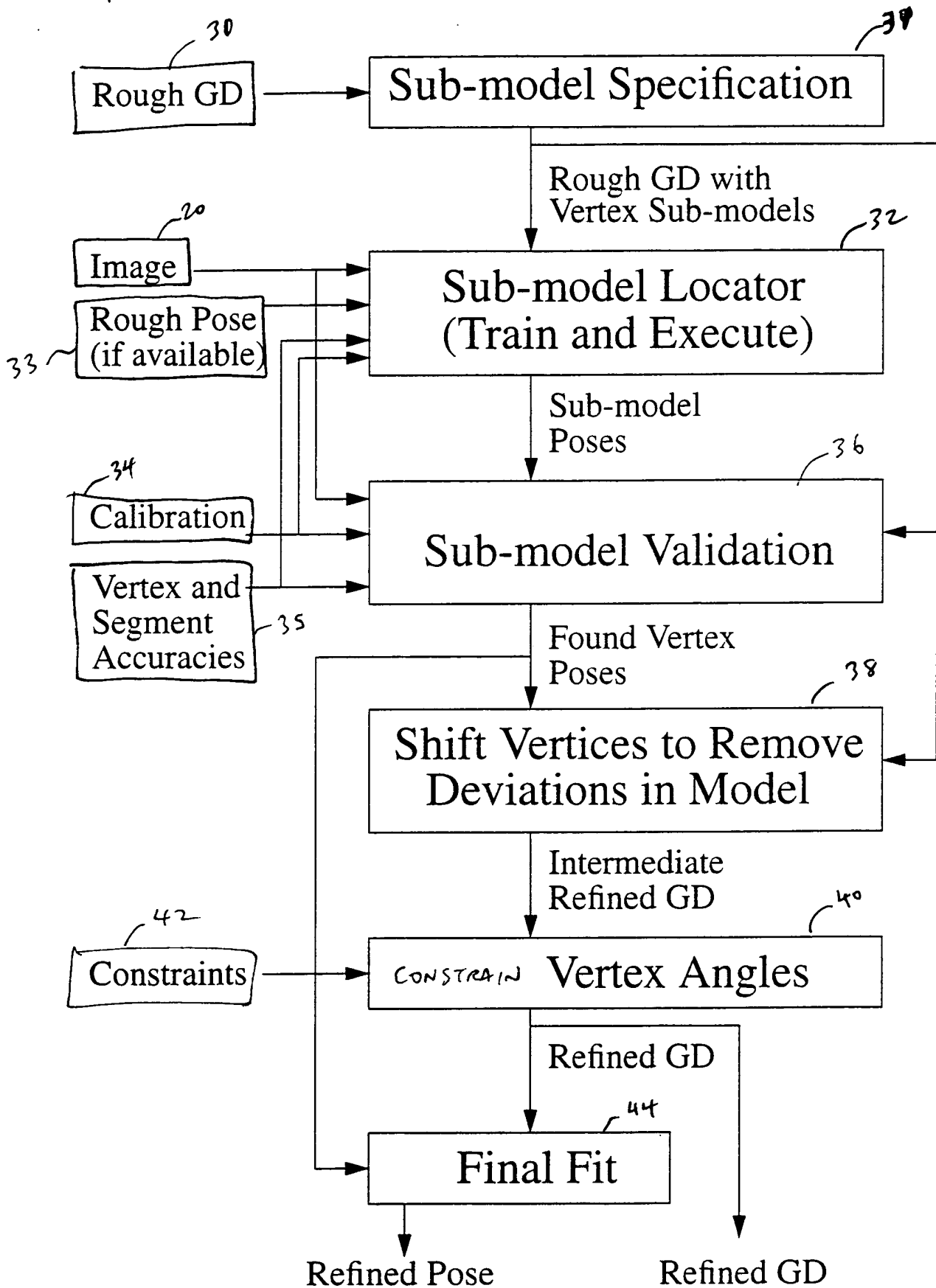


FIG. 3

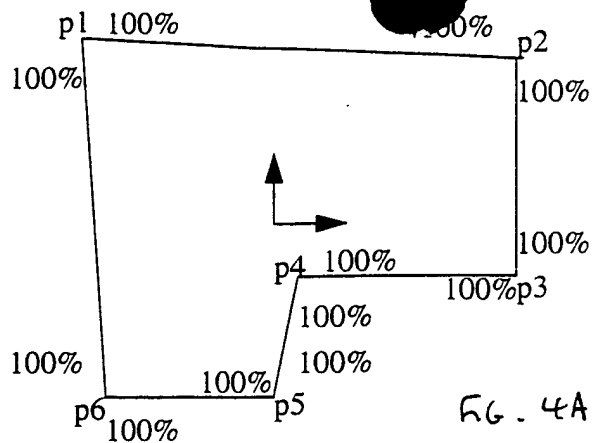


Fig. 4A

Sub-model table

label	pose of sub-model coordinate frame storage in full model reference frame	
1	trans = (p1), angle = a6	
2	trans = (p2), angle = a1	
3	trans = (p3), angle = a2	
4	trans = (p4), angle = a3	
5	trans = (p5), angle = a4	
6	trans = (p6), angle = a5	

Model Storage:

Normalized Models Image search models

	Cognex Patquick Model
	Cognex Patmax Model
	Cognex Patmax Model
	Cognex Patmax Model
	Cognex Patmax Model
	Cognex Patmax Model
	Cognex Patmax Model

Fig. 4B